Work Order ID 60960

Thursday, July 29, 2010 3:30:56 PM



Page 1

Item ID:

D4085-3

Accept

Setup Start

Stop



Revision ID:

Item Name:

Placard, Instructions

Start Date:

7/29/2010

Start Qty: 10.00 Required Date: 8/11/2010

Req'd Qty: 10.00



Cust Item ID: Customer:

Reference:

Approvals:

Date:

Date: 10-721 Tooling:

SPC (Y/N):

Date:

Start Run

Stop



Sequence ID/ **Work Center ID**

Draw Nbr

Operation Description

Revision Nbr

Set Up/ **Run Hours**

Tool ID

Tool # Plan Accept Code Qty

Reject Qty

Reject Number Stamp

D4085

PC1

100

Purchasing

Purchasing

Memo

Issue P/O:

E-mail or Ship electronic file and or dwg to vendor Manufacture as per Dwg and supplied files

Possible supplier:Studio Letrage Material release note is required.

110

Receive & Inspect for Damage & Mat'l Certs

0.00

0.00

0.00



Packaging Packaging

Memo

0.00

10/8/11 5/

Dart Ae	rospace l	_td							,
W/O:			WO	RK ORDER CHANGE	S				į.
DATE	STEP	PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #: solution:							
NCR:				R NON-CONFORMA				ж.	
		Description of NC	Corrective Action Sect		n B	Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Section		Chief Eng	QC Inspector
									1

Work Order ID 60960

Thursday, July 29, 2010 3:30:56 PM



Page 2

Item ID:

D4085-3

Accept



Setup Start

Stop



Revision ID:

Item Name:

Placard, Instructions

Start Date:

7/29/2010

Start Oty: 10.00 Required Date: 8/11/2010

Req'd Otv: 10.00



Cust Item ID: **Customer:**

Reference:

Approvals:

Process Plan:

Date:

Date:

Tooling:

SPC (Y/N):

Date: Date:

Run Start

Stop

Sequence ID/ Work Center ID

120

Quality Control

Operation Description

QC6- Inspect dimensions to drawing

Memo

Set Up/ **Run Hours**

0.00

on Sistosti

Tool ID

Tool # Plan Accept Code Qty

Reject Oty

Reject Number

Insp. Stamp

Packaging

Packaging

130

Identify as per dwg & Stock Location

Memo

0.00

0.00

140

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

W/O:			WO	RK ORDER CHANGE	ES			4
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date C	Approval Chief Eng / Prod Mgr	Approval QC Inspector
· - ··,,,		Berting State at						
Part No	•	PAR #:	Fault Categ	ory:	NCR: Yes	No DQA:	Date: _	
	R	esolution:	Disposition	:	QA: N/C Clo	sed:	Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR)		
DATE	STEP	Description of NC		Corrective Action Section		Verificat		
	0.1.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section	C Chief Eng	QC Inspector
						•		

Picklist Print

Thursday, July 29, 2010 3:31:48 PM

Work Order ID: 60960

Parent Item:

D4085-3

Parent Item Name: Placard, Instructions



Start Date: 7/29/2010

Required Date: 8/11/2010

Start Qty: 10.00

Required Qty: 10.00

Comments:

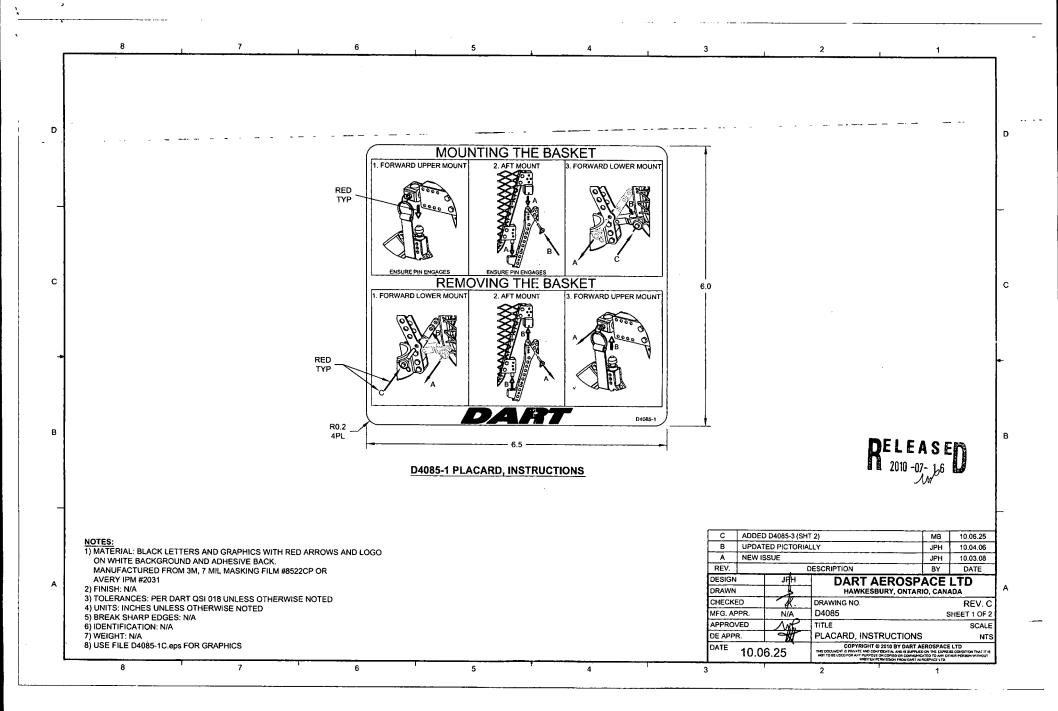
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status	
D4085-3P		Purchased	No				Each	0.0000	1	10	(), co			

Placard, Instructions

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Page 1

W/O:			WC	RK ORDER CHANG	GES					,
DATE	STEP	PRO	OCEDURE CHAI	NGE	B	,	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		· · · · · · · · · · · · · · · · · · ·							Prod Mgr	
Part No	•	PAR #:	Fault Cate	gory.	NCR: Y	es N	n D Q	Δ.	Date:	
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				ER NON-CONFORM					Date	
NCR:			WORK ORDI	EN NON-CONFORM	ANCE (IV	ion)		· · · · · · · · · · · · · · · · · · ·		
DATE	STEP	Description of NC			tion B	an 0		cation	Approval	Approval
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng		gn & Date	Section C		Chief Eng	QC Inspector
7						 				



W/O:			W	ORK ORDER CHANG	ES				ı
DATE	STEP	PRO	OCEDURE CHA		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								Prod Mgr	'
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		-							
Part No	•	PAR #:	Fault Cate	gory:	_ NCR: Ye	s No D	QA:	Date: _	
	R	esolution:	Dispositio	n:	_ QA: N/C	Closed: _		Date:	
NCR:			WORK ORD	ER NON-CONFORMA	ANCE (NO	R)			
		Description of NC			ion B	Ver	ification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sig: Da	1& _Տ	ection C	Chief Eng	QC Inspector
I	1		1			1		1	1

MOUNTING THE BASKET 1. AFT UPPER MOUNT 2. FWD MOUNT 3. AFT LOWER MOUNT RED TYP REMOVING THE BASKET 6.0 1. AFT LOWER MOUNT 2. FWD MOUNT 3. AFT UPPER MOUNT RED TYP 04085-3 R0.2 4PL

D4085-3 PLACARD, INSTRUCTIONS

С

1) MATERIAL: BLACK LETTERS AND GRAPHICS WITH RED ARROWS AND LOGO ON WHITE BACKGROUND AND ADHESIVE BACK.
MANUFACTURED FROM 3M, 7 MIL MASKING FILM #8522CP OR AVERY IPM #2031

2) FINISH: N/A

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: N/A

6) IDENTIFICATION: N/A

7) WEIGHT: N/A

8) USE FILE D4085-3C.eps FOR GRAPHICS

DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWN CHECKED DRAWING NO. REV. C D4085 MFG, APPR. SHEET 2 OF 2 APPROVED TITLE SCALE DE APPR. PLACARD, INSTRUCTIONS THE DOCALD, INVOLVED BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND COMPOSITION AND IS SUPPLIED ON THIS POPER IS CONDITION TO BE USED FOR ANY PURPOSE ON CORPE OR COMMUNICATED TO ANY ORMER PER DATE 10.06.25

W/O:			WC	ORK ORDER CHANG	GES		 			٠,,			
DATE	STEP	PRO	OCEDURE CHA	NGE	В	,	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
									Prod Wigi	·			
Part No	:	PAR #:	Fault Cate	Fault Category: NO			NCR: Yes No DQA: Date:						
	Re	esolution:	Dispositio	n:	QA: N/	C Clos	sed:		Date:				
NCR:			WORK ORD	ER NON-CONFORM	ANCE (N	ICR)							
DATE	CTED	Description of NC			tion B		Verific	cation	Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		gn & late		on C	Chief Eng	QC Inspector			
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Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO12350

Purchase Order Date 7/29/2010 PO Print Date 7/29/2010

Page Number 1 of 1

rder From :

VC-STU001

STUDIO DE LETTRAGE 2001 210 MAIN WEST HAWKESBURY, ON K6A 2H6 CA

Contact Name

Vendor Phone

613 632 5449

Vendor Fax

613 632 9491

Vendor Account Nbr

Buyer

Brigitte Golden

Requisition Nbr

Tax Resale Nbr

10127-2607

Net 30

CAD

FOB

Terms

Currency

Ship To:

DART AEROSPACE LTD

1270.ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nbr Reference Revision ID

Vendor Part Nymber

D4085-3P

Description/ Mfg ID

Req Date/ Taxable Unit of Measure

Req Qty/ Ship Method

Unit Price

Extended

Price

Placard, Instructions

8/13/2010

10.00 Yours ppd \$5.0000

\$50.00

Yes

Each

Special Inst:

As per DWG D4085 Rev: C

B#60960

PO Total:

\$50.00

Studio de Lettrage

210 Main Street W Hawkesbury, Ontario K6A 2H6

INVOICE

Invoice No.:

14323

Date:

08/11/2010

Ship Date:

Page:

1

Re: Order No.

9306

Sold to:

Dart Aerospace Ltd 1270 Aberdeen Hawkesbury, Ontario K6A 1K7 Ship to:

Dart Aerospace Ltd

Hawkesbury, Ontario

Business No.:

869034678RP0001

Business No.:	869034678RP00		The state of the second of	RANGE 633	DECEMBER STOCK OF SOME	
Item No.	Unit	Quantity	Description // //	Tax	Unit Price	Amount
		1	setup D4085-3R	H	50.00 5.00	50.00 50.00
			H - HST 13% HST			13.00
	:		PST Exempt: #6122-5207	:		
					,	
	1/10					
	100					
	/ 31					
:			8			
			Solosly			
Studio de Lettrage	HST: #869034678	RP001				
Shipped By:	Tracking					112 0

Comment:

012350

Total Amount 113.00

3M

Release F, Effective January 2003 Black bar in margin indicates a change

Scotchcal [™] Opaque Imaging Media 8522

Description

This media is specially formulated to dry quickly after printing. Production of outdoor weatherable and long-term indoor durable graphics is now easier than ever. Its changeable adhesive allows easy removal for up to one year.

Advantages

- Optimized for use with selected Epson Stylus Pro printers and Epson Archival inks.
- Optimized for use with selected HP DesignJet Printers and HP DesignJet Ink System UV or HP83UV Color Ink System
- For making opaque, laminated graphics that are outdoor weatherable and long-term indoor durable
- Media:
 - For opaque (reflective) graphics
 - Changeable, easy to remove from warranted substrates up to 1 year later
 - Dries quickly after printing so the overlaminate can be applied almost immediately
 - Low slippage paper liner for superior tiling
- Overlaminates:
 - Provide additional UV (ultraviolet) and physical protection for making weatherable finished graphics
 - Available in luster and matte gloss
 - Adhesive allows for heat-assisted or cold-temperature lamination

Applications and Uses

3M[™] Scotchcal[™] Changeable Opaque Imaging Media 8522 is intended only for ink jet printing and for use with the listed Compatible Products and Equipment and the following applications. Any other application is NOT warranted by 3M or covered by the worldwide 3M[™] MCS[™] Warranty unless 3M gives its prior written approval for the application.

- First surface images (the image is on top of the film) for opaque posters and signs, including:
 - Graphics for vans, personal vehicles, trucks and buses
 - Novelty posters
 - Retail and point-of-purchase displays
 - Information graphics such as maps and directories
 - Entertainment promotions in museums, zoos, parks, theatres, sports venues
 - Education and presentation graphics

- Legal and courtroom exhibits
- For flat or simple curved surfaces, with or without rivets, used in vertical (± 10°) applications

Limitations of End Uses

The following uses and applications are specifically NOT warranted.

- Fleet applications in areas that use salt for winter road maintenance
- Application to non-warranted substrates, including wallboard
- Applications subjected to gasoline vapors or spills
- Application to corrugated or highly irregular surfaces or sharply raised areas
- Graphics applied to stainless steel, including stainless steel vehicles
- On flat surfaces with rivets, tenting of 4 to 10 mm around rivets may be expected; rivets may be cut around to eliminate tenting.

Note: Standard ink jet technology is water based. Water-based chemistry is susceptible to the extremes of heat and humidity. This is a factor in most product constructions on the market. Read the Fabrication, Shelf Life and Storage sections in this bulletin. Staying in the middle of these ranges always provides optimum performance.

Compatible Products and Equipment

Thermal Ink Jet Printing Systems

- Epson Stylus Pro 9500, Stylus Pro 10000 printer
 - Epson Archival Inks
- Epson Stylus Pro 10600 printer
 - Epson Archival Inks
- HP DesignJet Printers 2000 and 3000 series
 - HP DesignJet Ink System UV (pigment-based ink)
- HP DesignJet Printers 5000 series
 - HP83UV Color Ink System

Overlaminates (required)

- 3M[™] Luster Overlaminate 8519 (semi-gloss)
- 3M[™] Matte Overlaminate 8520

Note: For the full product names of the 3M products listed on this page, please see page 1.

Warranted Substrates

Media 8522 is warranted for use on the following rigid substrates.

Some substrates may "out-gas", resulting in tiny bubbles throughout the surface of the graphic. For maximum performance, be sure the substrate you select is properly cleaned and prepared as recommended by the manufacturer. See Instruction Bulletin 5.1 for additional information.

- Alodine (anodized aluminum)
- Automotive panels (automotive painted steel)
- Fruehauf (painted aluminum)
- FRP (fiberglass reinforced plywood)
- Imron® (polyurethane-painted metal panel)
- Acrylic
- Sintra board

Test and Approve Non-warranted Substrates Before

Media 8522 is not warranted for any substrate other than those listed above. If you want to use it for other substrates, 3M recommends that you test and approve the media for both adhesion and removal characteristics.

Characteristics

Characteristic	Description				
Media	7 mil, white, opaque graphic film				
Liner	Low-slippage, lay flat paper				
Adhesive	Changeable, pressure sensitive				
Thickness (media and adhesive)	7.5 to 8 mil (nominal)				
Application substrates	See Warranted Substrates, above				
Application surfaces	Flat or simple curved surfaces, with or without rivets, used in vertical (± 10°) applications (no corrugations)				
Application temperature range	28° to 110°F (-2° to 43°C) (air and surface)				
Roll sizes	36" x 45 feet (914 mm x 13.5 m) 54" x 45 feet (1372 mm x 13.5 m)				

How to Become a 3M Ink Jet **Registered Fabricator**

Only 3M Thermal Ink Jet Registered Fabricators are eligible to offer 3M MCS warranted graphics. In order to become certified, a fabricator must complete the requirements as specified in the 3M Ink Jet Graphics Registered Fabricator Reference Manual located on the 3M website at www. scotchprint.com

Effective Performance Life

To obtain the warranty given below, the graphics must be made according to 3M's recommendations which are detailed in the Warranty and Limited Remedies on page 3. Also see the section, Removability.

Warranted Durability

Media 8522	Epson Pr	inters	HP Printers			
with Overlaminate 8519 or 8520	Outdoor	Indoor	Outdoor	Indoor		
Applied to Warranted Substrates	2 years	5 years	3 years	5 years		

Removability

Imaging media 8522 is removable from warranted substrates for 1 year without the aid of chemical strippers or accessories. Refer to Instruction Bulletin 4.23 for additional information.

Fabrication

Graphics must be made according to 3M's recommendations which are detailed in the Warranty and Limited Remedies on page 3.

See Instruction Bulletin 4.23 for detailed fabrication, printing and mounting information.

Graphic Construction Options

Opaque (Reflective) Graphics

Opaque graphics made with imaging media 8522 require an overlaminate and an opaque substrate.

Viewer/Light Source	
	Overlaminate 8519, 8520 Adhesive on bottom
	Imaging Media 8522 Image on top; adhesive on botton
	Opeque Substrate

Note: For the full product names of the 3M products listed on this page, please see page 1.

Shelf Life and Storage

- 3M [™] Scotchcal [™] Changeable Opaque Imaging Media 8522 has a shelf life of one year.
- Storage conditions (new and partially used rolls). For optimum performance, use the middle of these ranges:
 - Original packaging, including plastic wrap
 - Relative humidity of 20% to 80%
 - Temperature of 33° to 104°F (0° to 40°C)
 - Away from direct sunlight
- Do not stack unprotected rolls or lay sharp or heavy objects on them.

Health and Safety

Caution

When handling any chemical products, read the manufacturers' container labels and the Material Safety Data Sheets (MSDS) for important health, safety and environmental information.

To obtain MSDS sheets for 3M products:

- By fax, call 1-800-364-0768 in the US and Canada or 1-650-556-8417 for all other locations.
- Electronically, visit us at http://www.3M.com/msds.
- By mail, or in case of an emergency, call 1-800-364-3577 or 1-651-737-6501.

When using any equipment, always follow the manufacturers' instructions for safe operation.

Warranty and Limited Remedies

3M™ MCS™ Warranty for Graphics Produced on HP DesignJet Printers and Epson Stylus Pro Printers

The following is made in lieu of all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose. We warrant graphics produced by a 3M Ink Jet Registered Fabricator made with imaging media 8522, printed on an approved HP thermal ink jet printer according to HP's recommendations or Epson Stylus Pro printer according to Epson's recommendations, overlaminated with 8519 or 8520, and applied to a Warranted Substrate according to 3M's recommendations. These

graphics are covered against failure caused by ultraviolet light, temperature extremes, pollution, and other elements.

If a graphic fails to perform in accordance with 3M product specifications within this time frame, 3M will replace the materials at no charge. These remedies are exclusive. In no case shall 3M be liable for any direct, indirect, or consequential damages, including any labor charges.

3M Related Literature

Listed below is related 3M technical literature that may be of interest. You may view and print these Bulletins from our Web site at www.scotchprint.com, or order them via our Faxon-Demand (FOD) system. Call one of these phone numbers to order the desired bulletins, and specify the FOD document number provided in the chart.

United States or Canada: 1-800-364-0768 International: 1-651-732-6506

International: 1-651-732-6500 Subject	Builetin No.	FOD No.				
Product Bulletins						
3M Scotchcal Overlaminate 8519 and 8520	8519/8520	4524				
Instruction Bulletins		6523				
Making thermal ink jet graphics	4.23	7001				
Application, substrate selection, preparation and substrate-specific application techniques						
Warranties		9503				
Worldwide 3M [™] MCS [™] Warranty Packe (includes all Commercial Graphics MCS Wa	rranties)	9503				
Worldwide 3M ™ MCS ™ Warranty Overview-Folder						

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Bulletin Change Summary

The Epson Stylus Pro Printers 9500, 10000 10600, and Epson Archival Inks have been added to this bulletin. Additional changes resulting from this addition are marked with black bars in the margin.

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P.O. Box 5757 London, Ontario Canada N6A 4T1 1-800-265-1840 General Info. 1-800-374-6772 Fax 519-452-6245 Technical Info. 1-800-328-3908

3M Canada

Fax 1-651-736-4233 Fax-on-Demand 1-800-364-0768 US/Canada or 1-651-732-6506 International Fax-on-Demand document: 4506 www.scotchprint.com

3M México, S.A. de C.V.

Av. Santa Fe No. 55 Col. Santa Fe, Del. Alvaro Obregón México, D.F. 01210 52-55-52-70-04-00 Fax 52-55-52-70-22-77

3M Puerto Rico, Inc. Puerto Rico Industrial Park P.O. Box 100 Carolina, PR 00986-0100 787-620-3000 Fax 787-750-3035

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